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CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

COUNTRY USSR

SUBJECT Development of Electric Power/'Energy Systems'/Military
Status of Estonian Electrical Workers.

50X1-HUM

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- The following observations are dated spring 1953 and earlier:

Development of Electric Power

- The Soviets are devoting a great deal of attention to the development of electrical energy. Their aim is to operate as much industry as possible on electric current. The idea is to save fuel, especially oil for other-probably military-purposes.

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- 90 milliard [billion] kilowatt hours of electrical energy were produced in the USSR in 1950.

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'Energy Systems'

- The power stations which formerly used to work independently, each supplying current to a certain plant or district, have in recent years been merged into 'energy systems.' By 1 January 51 all the large power plants of the USSR were included in a network of 50 raion energy systems (raionnaia energosistema). These energy systems are built up on the principle that if one or several power plants should break down, the ensuing current failure is immediately compensated by energy supplied from other plants in the same system.
- "Those 50 raion systems are, in turn, to be parts of 12 super-systems still under construction. According to the plan the twelve super-systems were to be completed by 1 Jan 53, but there have been delays. Only two super-systems were ready by the end of 1952:
 - The Central United Energy System (TSENTRALNAIA OB'EDINENNAIA ENERGO-SISTEMA) comprising the Moscow, Gorki, Ivanovo and Yaroslavl raion systems; and

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- (b) The Southern United Energy System (YUZHNAIA OBIEDINENNAIA ENERGO-SISTEMA) comprising the DNEPROPETROVSK, DON and AZOV-BLACK SEA raion systems.

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7. The capacities of the new 'super' power plants still under construction are reported to be:
- (a) KUIBYSHEV plant-20 turbines, 100,000 kilowatts each. Total 2,000,000 kilowatts.
 - (b) STALINGRAD plant-17 turbines, 100,000 kilowatts each. Total 1,700,000 kilowatts.
- Both plants together will produce 20 milliard kilowatt/ hours of electric power yearly when they are finished.

Military Status

8. All the large power plants have political departments. They conduct the political indoctrination of plant workers. They are also a kind of opposite number to the political departments in the army as they have to deliver regular reports to the MVD on the political spirit and general political attitude of the workers. Thus they are not so much CP organs (as are the political officials at factories) but agents of political supervision. The reason for this strict supervision is the fear of sabotage which would, of course, have grave consequences in the power network.
9. It has been announced officially to ESTONIA's electrical workers that, in case of conscription (general mobilization) or the declaration that the USSR is in a state of war:
- (a) All the workers and employees of the power plants and energy systems, irrespective of age and sex, will be considered drafted into the army and frozen (zakreplennyye) to their places of work.
 - (b) All workers and employees of the energy systems will be responsible for offences and crimes in service on an equal basis with persons serving in the armed forces.
 - (c) All crimes and offences committed within energy systems will be tried by military tribunals of the MVD under wartime laws.
 - (d) The military tribunals of the MVD will be empowered to apply the strictest penalties to persons who have committed offences in service and to send those convicted of such crimes to the punitive companies of the MVD where they will be given an opportunity to redeem their guilt by their behaviour and work.

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